

Docket No. 266826US0PCT



IFW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Hideaki TAKASE, et al.

SERIAL NO: 10/527,547

GAU: 2874

FILED: March 11, 2005

EXAMINER:

FOR: PHOTSENSITIVE RESIN COMPOSITION FOR OPTICAL WAVEGUIDE FORMATION AND OPTICAL WAVEGUIDE

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references cited in the attached Supplementary European Search Report and listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

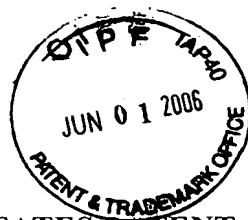
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FOR: PHOTSENSITIVE RESIN COMPOSITION FOR OPTICAL WAVEGUIDE
FORMATION AND OPTICAL WAVEGUIDE**STATEMENT OF RELEVANCY****References AA and AO through AQ on Form PTO-1449:**

The photosensitive resin composition of claim 1 in Preliminary Amendment contains component (A), component (B), component (C) and tris(2-acryloyloxyethyl) isocyanurate (abbreviated as "TAI").

The document US 5,616,630 does not disclose tris(2-acryloyloxyethyl) isocyanurate (TAI).

The document EP 0 601 203 A1 does not disclose components (A) and (B) of the present invention.

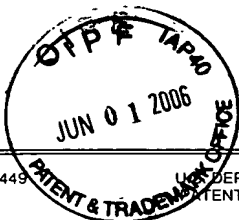
The document DE 40 10 784 A1 does not disclose tris(2-acryloyloxyethyl) isocyanurate (TAI).

The document EP 0 346 486 A1 does not disclose the components (A) and (B) of the present invention.

The art of the combination of the component (A), and component (B) and tris(2-acryloyloxyethyl) isocyanurate (TAI) of the present invention is novel over the documents AA, and AO through AQ.

Also, the present invention has advantages which cannot be foreseen from the cited documents AA, and AO through AQ. Namely, the resin composition of the present invention has an appropriate viscosity, an appropriate refractive index, excellent heat resistance (i.e. a high Tg), excellent patterning ability, and excellent transmission characteristic as shown in Table 1 in the specification.

Accordingly, the present invention has an inventive step in addition to a novelty over the documents AA, and AO through AQ.

Form PTO 1449
(Modified)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO.

266826US0PCT

SERIAL NO.

10/527,547

LIST OF REFERENCES CITED BY APPLICANT

APPLICANT

Hideaki TAKASE, et al.

FILING DATE

March 11, 2005

GROUP

2874

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	5,616,630	4/1/1997	Richard E. HEINZE			
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AO	EP 0 601 203 A1	6/15/1994	Europe		
	AP	DE 40 10 784 A1	10/10/1991	Germany		X
	AQ	EP 0 346 486 A1	12/20/1989	Europe		
	AR					
	AS					
	AT					
	AU					
	AV					

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

	AW	
	AX	
	AY	
	AZ	

☐ Additional References sheet(s) attached

Examiner

Date Considered

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.